



10 674831

Cofe

UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No.: 7,038,892 B2

Docket: HSJ920030026US1 (0514)

Issue Date: May 2, 2006

Patentee: Chau, et al.

Title: APPARATUS HAVING A HARD BIAS SEEDLAYER STRUCTURE FOR
PROVIDING IMPROVED PROPERTIES OF A HARD BIAS LAYER

CERTIFICATE UNDER 37 CFR 1.8. The undersigned hereby certifies that this correspondence and the papers, as described hereinabove, are being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on June 15, 2006.

By:

David W. Lynch

REQUEST FOR CERTIFICATE OF CORRECTION

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

It is requested that a Certificate of Correction be issued correcting printing errors appearing in the above-identified United States patent. Two copies of the text of the Certificate in the suggested form are enclosed.

- ☒ As some of the errors listed are due to Applicant's mistake, please charge Deposit Account No. 50-2587 (Hitachi Global Storage Tech.) in the amount of \$100.00 to cover the Certificate fee.
- ☐ As none of the errors listed is due to Applicant's mistake, no fee is necessary in connection with this Certificate.

Issuance of the Certificate of Correction should not expand or contract the scope of the claims, and re-examination should not be required.

Respectfully submitted,

CHAMBLISS, BAHNER & STOPHEL, P.C.
1000 Tallan Building
Two Union Square
Chattanooga, TN 37402
(423) 757-0264

Name: David W. Lynch, Reg. No. 36,204

Certificate
JUN 21 2006
of Correction

06/20/2006 FFAAEIA 00000024 502587 7038892

01 FC:1811

100.00 DA

20043_00/0514/AOW-000110_1

JUN 21 2006

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 2

PATENT NO. : US 7,038,892

APPLICATION NO.: 10/674,831

ISSUE DATE : May 2, 2006

INVENTOR(S) : Chau, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Abstract:

Line 5: "chromium molybdenum" should read -- chromium-molybdenum --

In Drawings:

FIG. 6: "chromium molybdenum" should read -- chromium-molybdenum --

In Summary of the Invention:

Col. 3, line 12: "chromium molybdenum" should read -- chromium-molybdenum --
Col. 3, line 33: "chromium molybdenum" should read -- chromium-molybdenum --
Col. 3, line 50: "chromium molybdenum" should read -- chromium-molybdenum --
Col. 3, line 60: "chromium molybdenum" should read -- chromium-molybdenum --
Col. 4, line 14: "chromium molybdenum" should read -- chromium-molybdenum --
Col. 4, line 26: "chromium molybdenum" should read -- chromium-molybdenum --
Col. 4, line 32: "chromium molybdenum" should read -- chromium-molybdenum --

In Detailed Description of the Invention:

Col. 5, line 16: "chromium molybdenum" should read -- chromium-molybdenum --
Col. 7, line 55: "chromium molybdenum" should read -- chromium-molybdenum --
Col. 8, line 10: "chromium molybdenum" should read -- chromium-molybdenum --
Col. 8, line 66: "0.9" should read --.9 --
Col. 9, line 10: "chromium-molybendum" should read -- chromium-molybdenum --
Col. 9, line 13: "chromium-molybendum" should read -- chromium-molybdenum --
Col. 9, line 19: "chromium molybdenum" should read -- chromium-molybdenum --

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Chambliss, Bahner & Stophel, P.C.
1000 Tallan Bldg., Two Union Sq.
Chattanooga, TN 37402

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

2006
JUN 21 2006

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 2 of 2

PATENT NO. : US 7,038,892

APPLICATION NO.: 10/674,831

ISSUE DATE : May 2, 2006

INVENTOR(S) : Chau, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In What is Claimed:

Col. 9, line 57: "chromium molybdenum" should read -- chromium-molybdenum --
Col. 10, line 13: "chromium-molybendum" should read -- chromium-molybdenum --
Col. 10, line 35: "chromium molybdenum" should read -- chromium-molybdenum --
Col. 10, line 57: "chromium-molybendum" should read -- chromium-molybdenum --
Col. 11, line 2: "chromium molybdenum" should read -- chromium-molybdenum --
Col. 11, line 23: "chromium-molybendum" should read -- chromium-molybdenum --
Col. 12, line 11: "chromium molybdenum" should read -- chromium-molybdenum --
Col. 12, line 25-26: "chromium molybdenum" should read -- chromium-molybdenum --
Col. 12, line 29: "comprising" should read -- consisting of --
Col. 12, line 29: "consisting of" should read -- comprising --
Col. 12, line 30: "chromium molybdenum" should read -- chromium-molybdenum --

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Chambliss, Bahner & Stophel, P.C.
1000 Tallan Bldg., Two Union Sq.
Chattanooga, TN 37402

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 2

PATENT NO. : US 7,038,892

APPLICATION NO.: 10/674,831

ISSUE DATE : May 2, 2006

INVENTOR(S) : Chau, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Abstract:

Line 5: "chromium molybdenum" should read -- chromium-molybdenum --

In Drawings:

FIG. 6: "chromium molybdenum" should read -- chromium-molybdenum --

In Summary of the Invention:

Col. 3, line 12: "chromium molybdenum" should read -- chromium-molybdenum --
Col. 3, line 33: "chromium molybdenum" should read -- chromium-molybdenum --
Col. 3, line 50: "chromium molybdenum" should read -- chromium-molybdenum --
Col. 3, line 60: "chromium molybdenum" should read -- chromium-molybdenum --
Col. 4, line 14: "chromium molybdenum" should read -- chromium-molybdenum --
Col. 4, line 26: "chromium molybdenum" should read -- chromium-molybdenum --
Col. 4, line 32: "chromium molybdenum" should read -- chromium-molybdenum --

In Detailed Description of the Invention:

Col. 5, line 16: "chromium molybdenum" should read -- chromium-molybdenum --
Col. 7, line 55: "chromium molybdenum" should read -- chromium-molybdenum --
Col. 8, line 10: "chromium molybdenum" should read -- chromium-molybdenum --
Col. 8, line 66: "0.9" should read --.9 --
Col. 9, line 10: "chromium-molybendum" should read -- chromium-molybdenum --
Col. 9, line 13: "chromium-molybendum" should read -- chromium-molybdenum --
Col. 9, line 19: "chromium molybdenum" should read -- chromium-molybdenum --

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Chambliss, Bahner & Stophel, P.C.
1000 Tallan Bldg., Two Union Sq.
Chattanooga, TN 37402

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 2 of 2

PATENT NO. : US 7,038,892

APPLICATION NO.: 10/674,831

ISSUE DATE : May 2, 2006

INVENTOR(S) : Chau, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In What is Claimed:

Col. 9, line 57: "chromium molybdenum" should read -- chromium-molybdenum --
Col. 10, line 13: "chromium-molybendum" should read -- chromium-molybdenum --
Col. 10, line 35: "chromium molybdenum" should read -- chromium-molybdenum --
Col. 10, line 57: "chromium-molybendum" should read -- chromium-molybdenum --
Col. 11, line 2: "chromium molybdenum" should read -- chromium-molybdenum --
Col. 11, line 23: "chromium-molybendum" should read -- chromium-molybdenum --
Col. 12, line 11: "chromium molybdenum" should read -- chromium-molybdenum --
Col. 12, line 25-26: "chromium molybdenum" should read -- chromium-molybdenum --
Col. 12, line 29: "comprising" should read -- consisting of --
Col. 12, line 29: "consisting of" should read -- comprising --
Col. 12, line 30: "chromium molybdenum" should read -- chromium-molybdenum --

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Chambliss, Bahner & Stophel, P.C.
1000 Tallan Bldg., Two Union Sq.
Chattanooga, TN 37402

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.